BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Modified Estimate for Construction of CC road in Ward No. 03 Attur, Yelahanka

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
1	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials upto a lead of 1000 metrers, stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202.(I No-18.47,P No-140) Loading and unloading with 8km lead								
	For Concrete Road	Cum							
	Blind School Road		1	132.40	3.55	0.20	94.00		
	4th cross		1	90.00	4.05	0.20	72.90		
	4th cross Left side		1	117.50	4.05	0.20	95.18		
	3rd cross		1	76.00	3.40	0.20	51.68		
							313.76	1021.00	**320347.94**
	Quoted Rate Rs.=	1021.00							
2	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 8km lead= (I No-19.14,P No-143) Loading and unloading with 8km lead								
	Desilt	Cum							
	Blind School Road		2	132.40	0.60	0.25	39.72		
	4th cross		2	90.00	0.60	0.25	27.00		
	3rd cross		2	76.00	0.60	0.20	18.24		
	Debris/ Loose soil								
	For Concrete Road								
	Blind School Road		1	132.40	3.55	0.10	47.00		
	4th cross		1	90.00	4.05	0.10	36.45		
	4th cross Left side		1	117.50	4.05	0.10	47.59		
	3rd cross		1	76.00	3.40	0.10	25.84		
							241.84	67.00	**16203.25**
	Quoted Rate Rs.=	67.00							
3	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.(I No-20.5,P No-153)								
	For Concrete Road	Cum							
	Cut portion restoration								
	Blind School Road		1	132.40	1.50	0.15	29.79		
	4th cross		1	90.00	1.40	0.15	18.90		
	4th cross Left side		1	117.50	1.50	0.15	26.44		
	3rd cross		1	76.00	1.45	0.15	16.53		
							91.66	2092.90	**191829.98**
	Quoted Rate Rs.=	2092.90							
4	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3.6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
		Cum							

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
				m	m	m		In Rs	in Rs
	For Concrete Road								
	Blind School Road		1	132.40	3.55	0.15	70.50		
	4th cross		1	90.00	4.05	0.15	54.68		
	4th cross Left side		1	117.50	4.05	0.15	71.38		
	3rd cross		1	76.00	3.40	0.15	38.76		
	For Kerb stone		1	330.90	0.20	0.10	6.62		
							241.94	5687.00	**1375897.14**
	Quoted Rate Rs.=	5687.00							
5	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications. (P.No-176,I No-22.6.1)								
	For Concrete Road	Cum							
	Blind School Road		1	132.40	3.55	0.15	70.50		
	4th cross		1	90.00	4.05	0.15	54.68		
	4th cross Left side		1	117.50	4.05	0.15	71.38		
	3rd cross		1	76.00	3.40	0.15	38.76		
							235.32	5467.00	**1286490.34**
	Quoted Rate Rs.=	5467.00							
E1	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete (P.No-27,I No 5.30)								
		Nos							
	Kerb stone		1	330.90			330.90		
							735.00	453.67	**333448.57**
	Basic Rate Rs.=	408.00							
	Add 6% A.W Rs. =	24.48							
	Sub Total Rate Rs. =	**432.48**							
	TP 4.9% Rs. =	21.19							
	Total Rate Rs. =	**453.67**							
E2	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. (P.No-180,I No 24.1)								
		Sqm							
	Kerb stone		1	590.10		0.35	206.54		
							206.54	88.96	**18372.36**
	Basic Rate Rs.=	80.00							
	Add 6% A.W Rs. =	4.80							
	Sub Total Rate Rs. =	**84.80**							
	TP 4.9% Rs. =	4.16							
	Total Rate Rs. =	**88.96**							
E3	Removing & Refixing stone slabs of drains and pointing in C.M (1:3) (P.No-27,I No 5.33)								

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
		Sqm							
	Blind School Road								
	4th cross		1	112.00		1.20	134.40		
	3rd cross		1	86.00		0.90	77.40		
			1	70.00		0.90	63.00		
							274.80	116.75	32083.92
	Basic Rate Rs.=	105.00							
	Add 6% A.W Rs. =	6.30							
	Sub Total Rate Rs. =	**111.30**							
	TP 4.9% Rs. =	5.45							
	Total Rate Rs. =	**116.75**							
E4	Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work, lift charges,curing and concrtee finished surface on both sides etc,and complete as per the directions of Enginner in charges.(Data Rate)								
		Sqm							
	Blind School Road		1	33.60		1.20	40.32		
	4th cross		1	17.90		0.90	16.11		
	3rd cross		1	14.20		0.90	12.78		
							69.21	2451.51	169669.21
	Data Rate Rs. =	**2337.00**							
	TP 4.9% Rs. =	114.51							
	Total Rate Rs. =	**2451.51**							
							Sub Total 1 Rs.		3744342.71
	Miscellaneous & Rounding off								1077.34
							Total Rs.		3745420.05

Assistant Engineer
Ward 03
BBMP

Assistant Executive Engineer
Yelahanka Newtown Sub Division
BBMP

Executive Engineer
Yelahanka Division
BBMP

Technical Sanction
Accepted for Rs 37,45,420.05
Head of A/C ...R.3.2.96...
CER No. ...IE..... Dt:12.08.2020

AAO

CE (Tech)